

Gouda Vuurvast CURAS 40 D Moldable Refractory Material

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: This material is supplied as a dry powder, it has to be mixed with potable water to the necessary consistency. Because of special additions this type of moldable has already a reasonable strength at room temperature. Curas 40 D is used for a wide range of applications. Remarks: The stated chemical composition and physical properties represent average values. Information provided by Gouda Vuurvast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURAS-40-D-Moldable-Refractory-Material.php

Physical Properties	Metric	English	Comments
Bulk Density	2.15 - 2.25 g/cc	0.0777 - 0.0813 lb/in ³	After drying at 110 ^o C

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.700 - 0.800 W/m-K	4.86 - 5.55 BTU-in/hr-ft ² - ^o F	
	@Temperature 100 ^o C	@Temperature 212 ^o F	
	0.830 - 0.930 W/m-K	5.76 - 6.45 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	0.960 - 1.06 W/m-K	6.66 - 7.36 BTU-in/hr-ft ² - ^o F	
	@Temperature 1400 ^o C	@Temperature 2550 ^o F	
Maximum Service Temperature, Air	1450 ^o C	2640 ^o F	
Shrinkage	-2.00 - 2.00 %	-2.00 - 2.00 %	Permanent Linear Change
	@Temperature 1400 ^o C	@Temperature 2550 ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	49 %	49 %	
Fe2O3	1.9 %	1.9 %	
SiO2	43 %	43 %	

Descriptive Properties	Value	Comments
Bonding Type	ceramic	

Descriptive Properties per 1 m ³	Value ^{kg}	Comments
Mixing Water	12-14 liters	per 100 kgs dry material
Segercone	33	

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